

APR 18 2002

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Washington, D.C. 20231 on April 11, 2002

Glenn P. Ladwig  
Glenn P. Ladwig, Patent Attorney

INFORMATION DISCLOSURE  
STATEMENT

Patent Application

Docket No. UF-216C1

Serial No. 10/062,623

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants : Dov Borovsky, Arnold DeLoof, Peter Verhaert  
Serial No. : 10/062,623  
Filed : January 31, 2002  
For : Neuropeptides and Their Use for Pest Control

Assistant Commissioner for Patents  
Washington, D.C. 20231

INFORMATION DISCLOSURE STATEMENT  
UNDER 37 CFR §§1.97 AND 1.98

Sir:

In accordance with 37 CFR §1.97 and §1.98, Applicants would like to bring to the attention of the Examiner, the references cited in the following patent application:

U.S. Serial No. 09/295,849, filed April 21, 1999

The subject application, Serial No. 10/062,623, claims the benefit under 35 USC §120 of the filing date of patent application Serial No. 09/295,849. Applicants respectfully request that the copies of references supplied in the Information Disclosure Statement of the 09/295,849 application, as well as references cited during the prosecution thereof, be made of record in the 10/062,623 application. As copies of the references filed in the 09/295,849 application, and cited on the attached form PTO-1449, can be found in the 09/295,849 casefile, copies of those references are not provided herewith.

It is respectfully requested that the references cited in the 09/295,849 application be considered in the examination of the subject application and that their consideration be made of record.

Applicants have also listed the Tortiglione *et al.* publication and Tortiglione *et al.* abstract on form PTO-1449 (sheet 3) which were not cited in the 09/295,849 application. Copies of these

documents are enclosed with this IDS. Applicants respectfully request that these references be made of record and considered in the examination of the subject application. As indicated in the publication information listed with the Tortiglione *et al.* abstract (AV), the Tortiglione *et al.* publication (AW) is a conference paper published in 1999. The conference, Genetics and Breeding For Crop Quality and Resistance, was held on September 20-25, 1998, in Viterbo, Italy.

Applicants respectfully assert that the substantive provisions of 37 CFR §§1.97 and 1.98 are met by the foregoing statements.

Respectfully submitted,



Glenn P. Ladwig

Patent Attorney

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GPL/mv

Attachments: Form PTO-1449 and two (2) references

Form PTO-1449  
(REV. 7-80)U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.  
UF-216C1SERIAL NO.  
10/062,623

## INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

FIRST NAMED APPLICANT: Dov Borovsky

FILING DATE  
January 31, 2002

GROUP ART UNIT

## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER							DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA	5	3	5	8	9	3	4	10/25/94	Borovsky <i>et al.</i>			
	AB	5	0	1	1	9	0	9	4/30/91	Borovsky <i>et al.</i>			
	AC	5	1	3	0	2	5	3	7/14/92	Borovsky <i>et al.</i>			
	AA	5	5	0	1	9	7	6	3/26/96	Borovsky <i>et al.</i>			
	AD												
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## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER							DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
	AL	9	3	2	1	2	1	7	4/16/92	PCT			YES	NO
	AM													
	AN													
	AO													
	AP													

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	AR	Borovsky, Dov (1985) "Isolation and Characterization of Highly Purified Mosquito Oostatic Hormone" <i>Archives of Insect Biochemistry and Physiology</i> 2:333-349.
	AS	Borovsky, Dov (1988) "Oostatic Hormone Inhibits Biosynthesis of Midgut Proteolytic Enzymes and Egg Development in Mosquitoes" <i>Archives of Insect Biochemistry and Physiology</i> 7:187-210.
	AT	Borovsky, Dov (1990) "Mosquito oostatic factor: a novel decapeptide modulating trypsin-like enzyme biosynthesis in the midgut" <i>The FASEB Journal</i> 4:3015-3019.
	AU	Borovsky, Dov, D.A. Carlson, P.R. Griffin, J. Shabanowitz, D.F. Hunts (1993) "Mass Spectrometry and Characterization of <i>Aedes aegypti</i> Trypsin Modulating Oostatic Factor (TMOF) and its Analogs" <i>Insect Biochem. Molec. Biol.</i> 23(6):703-712.
	AV	Borovsky, Dov, C.A. Powell, J.K. Nayar, J. Edwin Blalock, T.K. Hayes (1994) "Characterization and localization of mosquito-gut receptors for trypsin modulating oostatic factor using a complementary peptide and immunocytochemistry" <i>The FASEB Journal</i> 8:350-355.

EXAMINER

DATE CONSIDERED

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-1449  
(REV. 7-80)

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	AL						
	AM						
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	AO						
	AP						

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	AR	Curry, W.J., C. Shaw, C.F. Johnston, L. Thim, K.D. Buchanan (1992) "Neuropeptide F: Primary Structure From The Tubellarian, <i>Artioposthia Triangulata</i> " <i>Comp. Biochem. Physiol.</i> 101C(2):269-274.
	AS	Duve, Hanne, Alan Thorpe, Ray Neville, Norman R. Lazarus (1981) "Isolation and partial characterization of pancreatic polypeptide-like material in the brain of the blowfly <i>Calliphora vomitoria</i> " <i>J. Biochem.</i> 197:767-770.
	AT	Leung, P.S., C. Shaw, A.G. Maule, L. Thim, C.F. Johnston, G.B. Irvine (1992) "The primary structure of neuropeptide F (NPF) from the garden snail, <i>Helix aspersa</i> " <i>Regulatory Peptides</i> 41:71-81.
	AU	Maule <i>et al.</i> (1991) "Neuropeptide F: a novel parasitic flatworm regulatory peptide from <i>Moniezia expansa</i> (Cestoda: Cyclophyllidea)" <i>Parasitology</i> 102:309-316.
	AV	Rajpara, Sanjay M., <i>et al.</i> (1992) "Identification and Molecular Cloning of a Neuropeptide Y Homolog That Produces Prolonged Inhibition in <i>Aplysia</i> Neurons" <i>Neuron</i> 9:505-513.

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	AL						
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	AN						
	AO						
	AP						

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	AR	Spittaels, Kurt, Peter Verhaert, Christ Shaw, Richard N. Johnston, Bart Devreese, Jos Van Beeumen, Arnold De Loof (1996) "Insect Neuropeptide F (NPF)-related Peptides: Isolation from Colorado Potato Beetle ( <i>Leptinotarsa decemlineata</i> ) Brain" <i>Insect Biochem. Molec. Biol.</i> 26(4):375-382.
	AS	Veenstra, J.A., H.M. Romberg-Privee, H. Schooneveld, J.M. Polak (1985) "Immunocytochemical localization of peptidergic neurons and neurosecretory cells in the neuro-endocrine system of the Colorado potato beetle with antisera to vertebrate regulatory peptides" <i>Histochemistry</i> 82:9-18.
	AT	Verhaert, Peter, Cornelis J. P. Grimmelikhuijzen, Arnold De Loof (1985) "Distinct Localization of FMRFamide- and Bovine Pancreatic Polypeptide-Like Material in the Brain, Retrocerebral Complex and Suboesophageal Ganglion of the Cockroach <i>Periplaneta americana</i> L." <i>Brain Research</i> 348:331-338.
	AU	Rao, R. <i>et al.</i> (1996) "Synthesis and Expression of Genes Encoding Putative Insect Neuropeptide Precursors in Tobacco" <i>Gene</i> 175:1-5.
	AV	Tortiglione, C. <i>et al.</i> (1999) (Abstract) "New genes for Pest Control" <i>Genetics and Breeding for Crop Quality and Resistance</i> .
	AW	Tortiglione, C. <i>et al.</i> (1999) "New Genes for Pest Control" <i>Genetics and Breeding for Crop Quality and Resistance</i> pp. 159-163.

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